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**Exhibit R-2, RDT&E Budget Item Justification:** PB 2012 Navy **DATE:** February 2011

<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 7: <i>Operational Systems Development</i>				<b>R-1 ITEM NOMENCLATURE</b> PE 0305234M: <i>Small (LEVEL 0) Tactical UAS (STUASLO)</i>							
<b>COST (\$ in Millions)</b>	<b>FY 2010</b>	<b>FY 2011</b>	<b>FY 2012 Base</b>	<b>FY 2012 OCO</b>	<b>FY 2012 Total</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
Total Program Element	18.685	26.209	-	-	-	-	-	-	-	0.000	44.894
2272: <i>Intel Command and Control (C2) Sys</i>	18.685	-	-	-	-	-	-	-	-	0.000	18.685
2298: <i>SMALL (LEVEL 0) TACTICAL UAS (STUALO)</i>	-	26.209	-	-	-	-	-	-	-	0.000	26.209

**Note**

The Tier II program is in PE 0305234M, Project C2272 in FY10. The Tier II program is in PE 0305234M, Project C2298 in FY11. The Tier II program was realigned to PE 0305239M, Project C2298 in FY12 and out.

**A. Mission Description and Budget Item Justification**

Intelligence Command and Control (C2) supports the employment of reconnaissance, surveillance, and target acquisition resources and the timely planning and processing of all-source intelligence. It ensures that all-source tactical intelligence is tailored to meet specific mission requirements. The systems below collect and convert raw intelligence data on the battlefield into processed information and deliver the processed products to the Intelligence Analysis Systems (IAS) for analysis and dissemination.

TIER II - This is a combined Navy (PE 0305204N-TCS) and Marine Corps (PE 0305234M) budget submission. The Tier II/UAS will provide persistent, Intelligence, Surveillance, and Reconnaissance (ISR) support for tactical level maneuver decisions and unit level force defense/force protection for Navy ships and Marine Corps land forces. This system will fill the ISR capability shortfalls identified by the Navy Small Tactical Unmanned Aircraft System (STUAS) and Marine Corps Tier II UAS efforts. Consisting of four air vehicles, two ground control stations, multiple payloads, and associated launch, recovery and support equipment, this system will support the Navy missions including building the Recognized Maritime Picture, Maritime Security Operations, Maritime Interdiction Operations, and support of Navy units operating from sea/shore and the Marine Corps close range (<50 nautical miles (nm)) UAS enabling enhanced decision-making and improved integration with ground schemes of maneuver. This submission is the Marine Corps portion of the program and has been coordinated with the Navy budget submission PE 0305204N.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2012 Navy				DATE: February 2011		
APPROPRIATION/BUDGET ACTIVITY		R-1 ITEM NOMENCLATURE				
1319: Research, Development, Test & Evaluation, Navy		PE 0305234M: Small (LEVEL 0) Tactical UAS (STUASL0)				
BA 7: Operational Systems Development						
B. Program Change Summary (\$ in Millions)		FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
Previous President's Budget		18.685	26.209	16.864	-	16.864
Current President's Budget		18.685	26.209	-	-	-
Total Adjustments		-	-	-16.864	-	-16.864
• Congressional General Reductions			-			
• Congressional Directed Reductions			-			
• Congressional Rescissions		-	-			
• Congressional Adds			-			
• Congressional Directed Transfers			-			
• Reprogrammings		-	-			
• SBIR/STTR Transfer		-	-			
• Program Adjustments		-	-	9.789	-	9.789
• Rate/Misc Adjustments		-	-	-26.653	-	-26.653

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Exhibit R-2A, RDT&E Project Justification: PB 2012 Navy									DATE: February 2011		
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 0305234M: Small (LEVEL 0) Tactical UAS (STUASL0)				PROJECT 2272: Intel Command and Control (C2) Sys			
COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
2272: Intel Command and Control (C2) Sys	18.685	-	-	-	-	-	-	-	-	0.000	18.685
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

**A. Mission Description and Budget Item Justification**

(U) Intelligence Command and Control (C2) supports the employment of reconnaissance, surveillance, and target acquisition resources and the timely planning and processing of all-source intelligence. It ensures that all-source tactical intelligence is tailored to meet specific mission requirements. The systems below collect and convert raw intelligence data on the battlefield into processed information and deliver the processed products to the Intelligence Analysis Systems (IAS) for analysis and dissemination.

TIER II - This is a combined Navy (PE 0305204N) and Marine Corps (PE 0305234M) budget submission. The Tier II/UAS will provide persistent, Intelligence, Surveillance, and Reconnaissance (ISR) support for tactical level maneuver decisions and unit level force defense/force protection for Navy ships and Marine Corps land forces. This system will fill the ISR capability shortfalls identified by the Navy Small Tactical Unmanned Aircraft System (STUAS) and Marine Corps Tier II UAS efforts. Consisting of four air vehicles, two ground control stations, multiple payloads, and associated launch, recovery and support equipment, this system will support the Navy missions including building the Recognized Maritime Picture, Maritime Security Operations, Maritime Interdiction Operations, and support of Navy units operating from sea/shore and the Marine Corps close range (<50 nautical miles (nm)) UAS enabling enhanced decision-making and improved integration with ground schemes of maneuver. This submission is the Marine Corps portion of the Tier II program and has been coordinated with the Navy budget submission PE 0305204N. Tier II UAS is the only project (C2298) in PE 0305234M in FY11. Tier II UAS was realigned to PE 0305239M, C2298 in FY12 and out at OSD (C) direction.

**B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)**

	<b>FY 2010</b>	<b>FY 2011</b>	<b>FY 2012</b>
<b>Title:</b> Tier II UAS: Marine Corps C4I Integration  <b>Articles:</b>  <b>FY 2010 Accomplishments:</b> MCTSSA (Marine Corps Tactical Systems Support Activity) and TSO (Technical Support Office) established a Help Desk to support Tier II UAS C4I integration. Engineering, Manufacturing and Development Contract with Low Rate Initial Production (LRIP) and Early Operational Capability (EOC) Options awarded. Preliminary Design Review (PDR) held. Initial Operational Assessment and Development Testing completed as part of IT B1 test phase.	1.345 0	-	-
<b>Title:</b> Tier II UAS: Development Command Support  <b>Articles:</b>  <b>FY 2010 Accomplishments:</b>	0.640 0	-	-

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2012 Navy							<b>DATE:</b> February 2011				
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 7: <i>Operational Systems Development</i>			<b>R-1 ITEM NOMENCLATURE</b> PE 0305234M: <i>Small (LEVEL 0) Tactical UAS (STUASL0)</i>			<b>PROJECT</b> 2272: <i>Intel Command and Control (C2) Sys</i>					
<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>											
							<b>FY 2010</b>	<b>FY 2011</b>	<b>FY 2012</b>		
MCCDC (Marine Corps Combat Development Center) support to complete JCIDS (Joint Capabilities Integration and Development System) documentation.											
<b>Title:</b> Tier II UAS: Test Community Support  <div align="right"><b>Articles:</b></div>							0.220 0	-	-		
<b>FY 2010 Accomplishments:</b> MCOTEA (Marine Corps Operational Test and Evaluation Activity) support to observe Testing and Evaluation and complete TEMP (Test & Evaluation Master Plan).											
<b>Title:</b> Tier II UAS: Navy Program Management Support  <div align="right"><b>Articles:</b></div>							15.470 0	-	-		
<b>FY 2010 Accomplishments:</b> NAVAIR contract award and program management support.											
<b>Title:</b> Tier II UAS: Program Management Support  <div align="right"><b>Articles:</b></div>							1.010 0	-	-		
<b>FY 2010 Accomplishments:</b> MCSC (Marine Corps Systems Command) program management and CEOSS (Commercial Enterprise Omnibus Support Services) support.											
<b>Accomplishments/Planned Programs Subtotals</b>							18.685	-	-		
<b>C. Other Program Funding Summary (\$ in Millions)</b>											
<b>Line Item</b>	<b>FY 2010</b>	<b>FY 2011</b>	<b>FY 2012 Base</b>	<b>FY 2012 OCO</b>	<b>FY 2012 Total</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
• PMC/4757: <i>TIER II</i>	0.000	26.301	0.000	0.000	0.000	27.893	72.070	77.106	80.386	Continuing	Continuing
<b>D. Acquisition Strategy</b> The program office expects to utilize a competitive acquisition approach to quickly field a capability with limited development. Spiral development will be utilized to field a system fully compliant with documented requirements.											
<b>E. Performance Metrics</b> Down select to final solution.											

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2012 Navy											DATE: February 2011		
APPROPRIATION/BUDGET ACTIVITY				R-1 ITEM NOMENCLATURE				PROJECT					
1319: Research, Development, Test & Evaluation, Navy BA 7: Operational Systems Development				PE 0305234M: Small (LEVEL 0) Tactical UAS (STUASLO)				2272: Intel Command and Control (C2) Sys					
Product Development (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Tier II	WR	MCTSSA:San Diego, CA	0.184	-		-		-		-	0.000	0.184	
Subtotal			0.184	-		-		-		-	0.000	0.184	
Support (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Tier II	C/FP	Eagan Mcallister:Lexington park, MD	0.640	-		-		-		-	0.000	0.640	
Subtotal			0.640	-		-		-		-	0.000	0.640	
Test and Evaluation (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Tier II	C/CPAF	Not Specified:Not Specified	0.220	-		-		-		-	0.000	0.220	
Subtotal			0.220	-		-		-		-	0.000	0.220	
Management Services (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Tier II	C/FP	QNA:Stafford, VA	1.010	-		-		-		-	0.000	1.010	
Tier II	WR	MCSC:Quantico, VA	0.978	-		-		-		-	0.000	0.978	
Tier II	C/CPIF	INSITU:BINGEN, WA	15.470	-		-		-		-	0.000	15.470	
Tier II	WR	NSWC:Dahlgren, VA	0.183	-		-		-		-	0.000	0.183	
Subtotal			17.641	-		-		-		-	0.000	17.641	

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2012 Navy											DATE: February 2011		
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: Research, Development, Test & Evaluation, Navy BA 7: Operational Systems Development				<b>R-1 ITEM NOMENCLATURE</b> PE 0305234M: Small (LEVEL 0) Tactical UAS (STUASL0)				<b>PROJECT</b> 2272: Intel Command and Control (C2) Sys					
<b>Management Services (\$ in Millions)</b>				<b>FY 2011</b>		<b>FY 2012 Base</b>		<b>FY 2012 OCO</b>		<b>FY 2012 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Total Prior Years Cost</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
<b>Remarks</b> \$44M (includes Navy dollars) dollar contract awarded 29 July to INSITU.													
			<b>Total Prior Years Cost</b>	<b>FY 2011</b>		<b>FY 2012 Base</b>		<b>FY 2012 OCO</b>		<b>FY 2012 Total</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
<b>Project Cost Totals</b>			18.685	-		-		-		-	0.000	18.685	
<b>Remarks</b>													

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Exhibit R-4, RDT&E Schedule Profile: PB 2012 Navy		DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0305234M: <i>Small (LEVEL 0) Tactical UAS (STUASL0)</i>	PROJECT 2272: <i>Intel Command and Control (C2) Sys</i>

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2012 Navy			<b>DATE:</b> February 2011
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 7: <i>Operational Systems Development</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0305234M: <i>Small (LEVEL 0) Tactical UAS (STUASL0)</i>	<b>PROJECT</b> 2272: <i>Intel Command and Control (C2) Sys</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b>Proj 2272</b>				
Milestone C	4	2012	4	2012
Marine Corps IOC	4	2013	4	2013
Navy IOC	4	2013	4	2013
Ship Integration	1	2011	4	2012
EDM-Land Based System	4	2011	4	2011
EDM-Ship Based System	2	2012	2	2012
EOC	2	2011	4	2013
Milestone B	4	2010	4	2010
Full Rate Production	4	2013	4	2013

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Exhibit R-2A, RDT&E Project Justification: PB 2012 Navy									DATE: February 2011		
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 0305234M: Small (LEVEL 0) Tactical UAS (STUASL0)				PROJECT 2298: SMALL (LEVEL 0) TACTICAL UAS (STUAL0)			
COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
2298: SMALL (LEVEL 0) TACTICAL UAS (STUAL0)	-	26.209	-	-	-	-	-	-	-	0.000	26.209
Quantity of RDT&E Articles	0	1	0	0	0	0	0	0	0		

**A. Mission Description and Budget Item Justification**

(U) Intelligence Command and Control (C2) supports the employment of reconnaissance, surveillance, and target acquisition resources and the timely planning and processing of all-source intelligence. It ensures that all-source tactical intelligence is tailored to meet specific mission requirements. The systems below collect and convert raw intelligence data on the battlefield into processed information and deliver the processed products to the Intelligence Analysis Systems (IAS) for analysis and dissemination.

TIER II - This is a combined Navy (PE 0305204N) and Marine Corps (PE 0305234M) budget submission. The Tier II/UAS will provide persistent, Intelligence, Surveillance, and Reconnaissance (ISR) support for tactical level maneuver decisions and unit level force defense/force protection for Navy ships and Marine Corps land forces. This system will fill the ISR capability shortfalls identified by the Navy Small Tactical Unmanned Aircraft System (STUAS) and Marine Corps Tier II UAS efforts. Consisting of four air vehicles, two ground control stations, multiple payloads, and associated launch, recovery and support equipment, this system will support the Navy missions including building the Recognized Maritime Picture, Maritime Security Operations, Maritime Interdiction Operations, and support of Navy units operating from sea/shore in OCO and the Marine Corps close range (<50 nautical miles (nm)) UAS enabling enhanced decision-making and improved integration with ground schemes of maneuver. This submission is the Marine Corps portion of the program and has been coordinated with the Navy budget submission PE 0305204N. This program was moved to PE 0305234M in FY10 and beyond.

**B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)**

	<b>FY 2010</b>	<b>FY 2011</b>	<b>FY 2012</b>
<b>Title:</b> *Tier II UAS: Development Command Support  <b>Articles:</b>  <b>FY 2011 Plans:</b> Conduct Early Operations Assessment (OT-B1), complete Capability Production Document (CPD), complete Production Readiness Review (PRR), develop Engineering and Manufacturing Development (EMD), fund Engineering Design Model (EDM) for (1) Land Based System that will be Contractor Owned.	-	8.609 0	-
<b>Title:</b> *Tier II UAS: Navy Program Management Support  <b>Articles:</b>  <b>FY 2011 Plans:</b>	-	17.600 0	-

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2012 Navy							<b>DATE:</b> February 2011				
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<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>											
							<b>FY 2010</b>	<b>FY 2011</b>	<b>FY 2012</b>		
Conduct Early Operations Assessment (OT-B1), complete Capability Production Document (CPD), complete Production Readiness Review (PRR), develop Engineering and Manufacturing Development (EMD), fund Engineering Design Model (EDM) for (1) Land-based system that will be Contractor Owned.											
<b>Accomplishments/Planned Programs Subtotals</b>							-	26.209	-		
<b>C. Other Program Funding Summary (\$ in Millions)</b>											
<u>Line Item</u>	<u>FY 2010</u>	<u>FY 2011</u>	<u>FY 2012</u> <u>Base</u>	<u>FY 2012</u> <u>OCO</u>	<u>FY 2012</u> <u>Total</u>	<u>FY 2013</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• PMC/4757: <i>TIER II</i>	0.000	26.301	0.000	0.000	0.000	27.608	71.664	76.679	79.943	Continuing	Continuing
<b>D. Acquisition Strategy</b> The program office expects to utilize a competitive acquisition approach to quickly field a capability with limited development. Spiral development will be utilized to field a system fully compliant with documented requirements.											
<b>E. Performance Metrics</b> Down select to final solution.											

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2012 Navy										DATE: February 2011			
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 0305234M: Small (LEVEL 0) Tactical UAS (STUASL0)				PROJECT 2298: SMALL (LEVEL 0) TACTICAL UAS (STUAL0)					
Product Development (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Tier II	Various	NAVAIR:PMA-263	-	8.609	Dec 2010	-		-		-	0.000	8.609	
Subtotal			-	8.609		-		-		-	0.000	8.609	
Management Services (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Tier II	Various	Navy:PMA-263	-	17.600	Oct 2010	-		-		-	0.000	17.600	
Subtotal			-	17.600		-		-		-	0.000	17.600	
			Total Prior Years Cost	FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	26.209		-		-		-	0.000	26.209	
Remarks													

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Exhibit R-4, RDT&E Schedule Profile: PB 2012 Navy		DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 7: Operational Systems Development	R-1 ITEM NOMENCLATURE PE 0305234M: Small (LEVEL 0) Tactical UAS (STUASL0)	PROJECT 2298: SMALL (LEVEL 0) TACTICAL UAS (STUAL0)

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2012 Navy			<b>DATE:</b> February 2011
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 7: <i>Operational Systems Development</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0305234M: <i>Small (LEVEL 0) Tactical UAS</i> (STUASL0)	<b>PROJECT</b> 2298: <i>SMALL (LEVEL 0) TACTICAL UAS</i> (STUAL0)	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b><i>Proj 2298</i></b>				
Milestone B	4	2010	4	2010
FRP	4	2013	4	2015
Milestone C	4	2012	4	2012
Marine Corps IOC	4	2013	4	2013
Navy IOC	4	2013	4	2013
Amphib Ship Integration	1	2011	4	2012
EDM-Land Based System	4	2011	4	2011
EDM-Ship Based System	2	2012	2	2012
EOC	2	2011	4	2013

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